

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/526,125
				Filing Date	September 1, 2003 (Int'l)
				First Named Inventor	Mariagrazia PIZZA
				Art Unit	1652
				Examiner Name	G. Raghu
Sheet	1	of	2	Attorney Docket Number	223002103000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	1.	Allured et al. (1986). "Structure of exotoxin A of <i>Pseudomonas aeruginosa</i> at 3.0-Angstrom resolution." <i>Proc. Natl. Acad. Sci. USA</i> , 83:1320-1324.		
	2.	Antoine et al. (1993). "Evidence for a Catalytic Role of Glutamic Acid 129 in the NAD-glycohydrolase Activity of the Pertussis Toxin S1 Subunit," <i>The Journal of Biological Chemistry</i> , 268(32):24149-24155.		
	3.	Barbieri et al. (1989). "Photolabeling of Glu-29 of the S-1 Subunit of Pertussis Toxin with NAD," <i>Infection and Immunity</i> , 57(11):3549-3554.		
	4.	Bumette et al. (1988). "Pertussis Toxin S1 Mutant with Reduced Enzyme Activity and a Conserved Protective Epitope," <i>Science</i> , 242(4875):72-74.		
	5.	Carroll et al. (1984). "NAD binding site of diphtheria toxin: Identification of a residue within the nicotinamide subsite by photochemical modification with NAD," <i>Proc. Natl. Acad. Sci. USA</i> , 81:3307-3311.		
	6.	Domenighini et al. (1994). "Common features of the NAD-binding and catalytic site of ADP-ribosylating toxins," <i>Molecular Microbiology</i> , 14(1):41-50.		
	7.	Douglas et al. (1987). "Exotoxin A of <i>Pseudomonas aeruginosa</i> : Substitution of Glutamic Acid 553 with Aspartic Acid Drastically Reduces Toxicity and Enzymatic Activity," <i>Journal of Bacteriology</i> , 169(11):4967-4971.		
	8.	Douglas et al. (1990). " <i>Pseudomonas aeruginosa</i> Exotoxin A: Alterations of Biological and Biochemical Properties Resulting from Mutation of Glutamic Acid 553 to Aspartic Acid," <i>Biochemistry</i> , 29(21):5043-5049.		
	9.	Lobet et al. (1991). "Effect of Site-Directed Mutagenic Alterations on ADP-Ribosyltransferase Activity of the A Subunit of <i>Escherichia coli</i> Heat-Labile Enterotoxin," <i>Infection and Immunity</i> , 59(9):2870-2879.		
	10.	Pizza et al. (1988). "Subunit S1 of pertussis toxin: Mapping of the regions essential for ADP-ribosyltransferase activity," <i>Proc. Natl. Acad. Sci.</i> , 85:7521-7525.		

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11.	Rappuoli et al. (1991). "Structure and evolutionary aspects of ADP-ribosylating toxins," in <i>Bacterial Protein Toxins</i> . Alouf, J.E., Freer, J.H. (eds), London : Academic Press. Page 12.	
12.	Thanabalu et al. (1991). "Cloning, Sequencing, and Expression of a Gene Encoding a 100-Kilodalton Mosquitocidal Toxin from <i>Bacillus sphaericus</i> SSII-1," <i>Journal of Bacteriology</i> , 173(9):2776-2785.	
13.	Tsuji et al. (1991). "Glutamic acid-112 of the A subunit of heat-labile enterotoxin from enterotoxigenic <i>Escherichia coli</i> is important for ADP-ribosyltransferase activity," <i>FEBS</i> , 291(2):319-321.	
14.	Tweten et al. (1985). "Diphtheria Toxin: Effect of Substituting Aspartic Acid for Glutamic Acid 148 on ADP-Ribosyltransferase Activity," <i>The Journal of Biological Chemistry</i> , 260(19):10392-10394.	
15.	Wilson et al. (1990). "Active-Site Mutations of Diphtheria Toxin: Effects of Replacing Glutamic Acid-148 with Aspartic Acid, Glutamine, or Serine," <i>Biochemistry</i> 29:8643-8651.	

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